

Н 6063

507

(24)

73 (Set bottom)

Bridge } No. 6063 Date, August 12, 1915
Hydrog. }

Sdg. Mch. Lucas Reel Lucas Shot 36 lbs.

Turns _____ Cor'n _____ Depth 1445 fms.

Sdg. Cup	<i>Sigbee</i>	Amt. Bot'm
		Sample

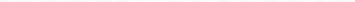
Character of Bottom Brown mud, for

Thermom. { Make -----
 { No. -----

Cor'n { Instr. -----
 { Stem. -----

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 55 Time 8.24 } Air { 64°
Time

Density: Surf.  fms.Wind: Direction 26 Force 1

Baromet. 30.29 Amt. of Clouds 1 State of Sea S

Weather

Direction and Force of Current.	{	Surface
		Bottom

Tide 

General Locality *off Washington Coast*

Position Yatooh Is. Light bears $N 70^{\circ} 4' E$ (true) $70^{\circ} 37' 13''$

Chart used: No. Plotting Sheet distant 289 1/2 miles
Ed'n 289.8
No 9

Drift: Direction	Distance

Depth of Haul

Apparatus and Rig used

Time towing _____ h, _____ m

Remarks: _____

Deck Officer *W. S. Chesley* Recorder *W. B. Long*

11-1023

SOUNDING WIRE.					FMS.	DREDGING CABLE.				
P. M. DOWN.			UP. P. M.			M. DOWN.		UP. M.		
7	51	30	23	45	0					
	52	15	22	45	100					
	53	05	22	00	200					
	54	05	21	25	300					
	55	20	20	40	400					
	56	30	19	55	500					
	57	40	19	00	600					
	58	50	18	20	700					
8	00	00	17	25	800					
	01	20	16	30	900					
	02	35	15	35	1000					
	03	55	14	40	1100					
	05	15	13	45	1200					
	06	40	12	45	1300					
	08	10	11	40	1400					
8	09	00	8	09	20	1500				
					1600					
					1700					
					1800					
					1900					
					2000					
					2100					
					2200					
					2300					
					2400					
					2500					
					2600					
					2700					
					2800					
					2900					
					3000					
					3100					
					3200					
					3300					
					3400					
					3500					
					3600					
					3700					
					3800					
					3900					
					4000					
					4100					
					4200					
					4300					
					4400					
					4500					
					4600					
					4700					
					4800					
					4900					

74
Dredge } No. 6064 Date, Aug 12, 1915
Hydrog. }
Sdg. Mch. Lucas Reel Shot Lead 30 lbs.
Turns Cor'n Depth 500 fms.
Sdg. Cup soft soap Amt. Bot'm Sample
Character of Bottom No Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.
Temp. Surf. { 55 Time 8.15 } Air { 60
Time

Density: Surf. fms.
Wind: Direction 88 Force 1
Baromet. 30.30 Amt. of Clouds 1 State of Sea 2
Weather bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality off Washington Coast

Position 70° 38' 39" N 70 1/2° E (true)
Jatoash L. Light bears distant 284 1/3 mile

Chart used: No. Plotting Sheet No. 9 Ed'n distant 284.3
Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Gandy Recorder Blake

SOUNDING WIRE.				FMS.	DREDGING CABLE.					
M. Down.	Up.	P.	M.		M. Down.	Up.	M.			
9 0420			13 50	0						
0500			12 55	100						
0545			12 05	200						
0650			11 20	300						
0755			10 40	400						
0910	9		0940	500						
				600						
				700						
				800						
				900						
				1000						
				1100						
				1200						
				1300						
				1400						
				1500						
				1600						
				1700						
				1800						
				1900						
				2000						
				2100						
				2200						
				2300						
				2400						
				2500						
				2600						
				2700						
				2800						
				2900						
				3000						
				3100						
				3200						
				3300						
				3400						
				3500						
				3600						
				3700						
				3800						
				3900						
				4000						
				4100						
				4200						
				4300						
				4400						
				4500						
				4600						
				4700						
				4800						
				4900						

26 75
 Trawl or Hydrog. } No. 10065 Date, Aug 12, 1915
 Sdg. Mch. Lucas Reel 2 Shot Lead 30 lbs.
 Turns Cor'n Depth 2/800 fms.
 Sdg. Cup Soft soap Amt. Bot'm Sample
 Character of Bottom No Bottom
 Thermom. { Make Cor'n { Instr.
 { No. { Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { 55 Time 1015 } Air { 60
 { Time {
 Density: Surf. fms.
 Wind: Direction SE Force 1
 Baromet. 30.30 Amt. of Clouds 1 State of Sea L
 Weather bc
 Direction and Force of Current { Surface
 { Bottom
 Tide

General Locality Off Washington Coast
 Position 70°40'06"
 Tatoosh Is. Light bears N 70 1/2° E (true) distant 27 1/2 miles
 Chart used: No Plotting Sheet No 9 Ed'n 278.8
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Cassady Recorder Baker

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
P	M. Down.	Up.	P M.		M. Down.	Up.	M.	
9	54	10	10	30	0			
	55	10	09	35	100			
	56	15	09	00	200			
	56	55	08	10	300			
	57	15	07	30	400			
	59	00	06	50	500			
10	00	40	06	00	600			
	02	00	05	20	700			
	03	45	10	04	15			
					800			
					900			
					1000			
					1100			
					1200			
					1300			
					1400			
					1500			
					1600			
					1700			
					1800			
					1900			
					2000			
					2100			
					2200			
					2300			
					2400			
					2500			
					2600			
					2700			
					2800			
					2900			
					3000			
					3100			
					3200			
					3300			
					3400			
					3500			
					3600			
					3700			
					3800			
					3900			
					4000			
					4100			
					4200			
					4300			
					4400			
					4500			
					4600			
					4700			
					4800			
					4900			

27 76
Dredge } No. 6066 Date, Aug 12, 1915
Hydrog. }
Sdg. Mch. Lucas Reel L Shot 30 lbs.
Lead 30
Turns Cor'n Depth 600 fms.
Sdg. Cup soft soap Amt. Bot'm Sample
Character of Bottom no Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 55 Time 11.08 } Air { 60
Time

Density: Surf. fms.

Wind: Direction SE Force 1

Baromet. 30.31 Amt. of Clouds 1 State of Sea L

Weather bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality off Washington Coast

Position 70°41'32" N 70°42'E (true)
Yatoosh Is. Light bears distant 27.31 miles

Chart used: No. Plotting Sheet No 9 Ed'n 273.3

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Cassidy Recorder Baker
11-1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.					
M. Down.		Up.	M.		M. Down.		Up.	M.		
10	52	00	08	10	0					
	52	30	07	10	100					
	53	30	06	30	200					
	54	10	05	45	300					
	55	20	05	10	400					
	56	35	04	20	500					
	58	00	03	40	600					
	59	20	02	45	700					
11	00	55	11	01	800					
					900					
					1000					
					1100					
					1200					
					1300					
					1400					
					1500					
					1600					
					1700					
					1800					
					1900					
					2000					
					2100					
					2200					
					2300					
					2400					
					2500					
					2600					
					2700					
					2800					
					2900					
					3000					
					3100					
					3200					
					3300					
					3400					
					3500					
					3600					
					3700					
					3800					
					3900					
					4000					
					4100					
					4200					
					4300					
					4400					
					4500					
					4600					
					4700					
					4800					
					4900					

Dredge } No. _____ Date, _____, 19____
Hydrog. }
Sdg. Mch. _____ Reel _____ Shot/Lead _____ lbs.
Turns _____ Cor'n _____ Depth $\frac{0}{800}$ fms.
Sdg. Cup *55* Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { Time *12:05* } Air {
 { Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction _____ Force *1*

Baromet. *30.31* Amt. of Clouds _____ State of Sea *2*

Weather *b-c*

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality *Off Washington Coast*

Position *Tatoosh Is. Light bears N 70 1/2° E (true) distant 26.8 1/10 miles*

Chart used: No *Plotting Sheet No 9* Ed'n _____ *267.7*

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer *Mc. Cassin* Recorder *Frank*
 " Glick

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M. Down.	Up.	A.	M.		M. Down.	Up.	M.
48	20	12	04	00			
49	20		04	50			
49	35		04	15			
50	30		01	40			
51	55		01	00			
52	30	12	50	20			
54	32	11	54	40			
600			57	00			
11	57	20	11	58			
				0			
				100			
				200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

①

Dredge } No. 6038 Date, August 12, 1915
Hydrog. }
Sdg. Mch. Reel 20 Shot 35 lbs.
Turns Cor'n Depth 1644 fms.

Sdg. Cup Sigbee Amt. Bot'm Sample
Character of Bottom fine for

Thermom. { Make Cor'n { Instr.
 { No. { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 1:24 } Air { 70 }
 { } { }

Density: Surf. fms.

Wind: Direction N Force 1

Baromet. 30.20 Amt. of Clouds 1 State of Sea 2

Weather bc

Direction and Force of Current { Surface
 { Bottom

Tide

General Locality off Washington Coast

Position 70°44' 25" N 70°42' E (true)
Tatoosh Is. Light bears distant 2.65 1/3 miles

Chart used: No. Plotting Sheet No 9 Ed'n 262.0

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Cook Recorder

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down.	Up.	M.		M. Down.	Up.	M.
12 46 30	1	27 20	0			
47 30		24 25	100			
48 30		20 50	200			
49 30		20 15	300			
50 30		19 40	400			
51 40		18 00	500			
52 45		18 20	600			
53 10		17 40	700			
55 30		17 00	800			
56 55		16 30	900			
58 20		15 35	1000			
12 59 50		14 50	1100			
1 01 20		13 55	1200			
02 50		13 15	1300			
04 20		12 50	1400			
05 55		11 30	1500			
07 30		10 30	1600			
1 07 55	1	10 10	1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

2 7
Precise } No. 6069 Date, August 12, 1915
Hydrog. }
Sdg. Mch. Lucas Reel 16 Shot 30 lbs.
Leads
Turns Cor'n Depth 870 fms.
Sdg. Cup Long Shot Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 57.0 Time 2:14 Air { 58.0
Time

Density: Surf. fms.

Wind: Direction N.W. Force 1

Baromet. 30.2 Amt. of Clouds 1 State of Sea 2

Weather bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality Off Washington Coast

Position Tatoosh Is. Light bears N 70° 45' 15" E (True) distant 25.8 4/13 miles
Chart used: No Plotting Sheet No 9 Ed'n 2500

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Wm. Grant Recorder J. H. ...
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
2 03 30	2 12 00		0			
04 10	" 25		100			
05 00	10 55		200			
06 00	10 20		300			
07 10	09 45		400			
2 08 30	2 08 50		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

③

Dredge } No. 6070 Date, June 12, 1914
 Hydrog. }
 Sdg. Mch. Lucas Reel 1 Shot Lead 30 lbs.
 Turns Cor'n Depth 0 fms.
 Sdg. Cup Soft Snp Amt. Bot'm Sample
 Character of Bottom

Thermom. { Make Cor'n { Instr.
 { No. { Stem.

Bottom Reading Cor'd Temp.
 Temp. Surf. { Time 3:04 Air { 57°
 { Time {

Density: Surf. fms.
 Wind: Direction N.W. Force 1
 Baromet. 30.29 Amt. of Clouds 2 State of Sea 1
 Weather bc

Direction and Force of Current { Surface
 { Bottom

Tide

General Locality Off Washington Coast

Position 70°49'18" Latook Is. Light bears N 70 1/2° E (true) distant 2.83413 miles

Chart used: No. Plotting Sheet No 9 Ed'n 251

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. G. H. Recorder J. H. 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
2 51 10	3 01 05		0			
52 10	3 00 10		100			
53 15	59 40		200			
54 30	59 05		300			
55 45	58 30		400			
2 57 00	2 57 45		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

(4)

Dredge } No. 6071 Date, Aug 10, 1911
Hydrog. }
Sdg. Mch. Lucas Reel Shot/Lead 350 lbs.
Turns Cor'n Depth 350 fms.
Sdg. Cup Soft Corp Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 54.0 Time 3:53 Air { 59.0
Time

Density: Surf. fms.

Wind: Direction N.E. Force 1

Baromet. 30.2 Amt. of Clouds 2 State of Sea 2

Weather bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality Off Washington Coast

Position Tatoosh Is. Light bears $70^{\circ}48'45''$ N $40^{\circ}42'$ E (true) distant 24.8 miles

Chart used: No. Plotting Sheet No. 9 Ed'n 24575

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
3 14 15	3 52 00		0			
43 55	51 15		100			
45 10	50 40		200			
46 00	50 10		300			
47 10	49 40		400			
3 48 25	2 48 50		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 6078 Date, June 13, 1911
 Hydrog. }

Sdg. Mch. _____ Reel _____ Shot } 30 lbs.
Lead }

Turns ----- Cor'n ----- Depth ----- 560 ----- fms.

Sdg. Cup *Brass (1st)* Amt. Bot'm Sample

Character of Bottom 0 1 1 1 1 1 1 1 1 1

<i>Thermom.</i>	$\left\{ \begin{array}{l} \text{Make} \\ \text{No.} \end{array} \right.$	<i>Cor'n</i>	$\left\{ \begin{array}{l} \text{Instr.} \\ \text{Stem.} \end{array} \right.$
-----------------	--	--------------	--

Bottom Reading Cor'd Temp.

Temp. Surf.	Time	Air
	Time	

Density: Surf. _____ fms. _____

Wind: Direction *NW* Force *1*

Baromet. 30.28 Amt. of Clouds 6 State of Sea 9

Weather ----- USA -----

Direction and Force of Current. $\left\{ \begin{array}{l} \text{Surface} \\ \text{Bottom} \end{array} \right.$

General Locality *Off Washington Coast* ...

Position *Tatoosh Is. Light bears $N 70\frac{1}{2}^{\circ} E$ (true) $70^{\circ} 50' 12''$ distant 9.49 $\frac{1}{4}$ miles*

Chart used: No. Plotting Sheet distant 242 1/3 miles
No. 9 240.3
Drift: Direction _____ Distance _____

Drift: Direction..... Distance.....

Depth of Haul -----

Apparatus and Rig used

$$\text{Time towing} = \frac{h}{m} \quad (1)$$

Remarks: _____

Deck Officer Recorder *M. W. V.*
11-1023

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Dredge } No. 6073 Date, Apr 5, 19
Hydrog. }
Sdg. Mch. Lucas Reel Lucas Shot } 30 lbs.
Lead }
Turns _____ Cor'n _____ Depth 1123 fms.
Sdg. Cup 4 Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { Time 1:45 } Air {
Time _____

Density: Surf. _____ fms. _____

Wind: Direction N. W. W. Force 1

Baromet. 30.30 Amt. of Clouds 7 State of Sea 2

Weather bc

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality Off Washington Coast

Position Tatorsh Is. Light bears N 70° 51' 38" E (true)

Chart used: No. Plotting Sheet No 9 distant 23 7/13 miles

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
5			0			
5			100			
5			200			
5			300			
5			400			
5			500			
5			600			
5			700			
5			800			
5			900			
5			1000			
5			1100			
5			1200			
5			1300			
5			1400			
5			1500			
5			1600			
5			1700			
5			1800			
5			1900			
5			2000			
5			2100			
5			2200			
5			2300			
5			2400			
5			2500			
5			2600			
5			2700			
5			2800			
5			2900			
5			3000			
5			3100			
5			3200			
5			3300			
5			3400			
5			3500			
5			3600			
5			3700			
5			3800			
5			3900			
5			4000			
5			4100			
5			4200			
5			4300			
5			4400			
5			4500			
5			4600			
5			4700			
5			4800			
5			4900			

Dredge } No. 6074 Date, Aug. 1, 19

Sdg. Mch. Reel Shot } Lead } lbs.

Turns Cor'n Depth 7324 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 54° Time 1:41 } Air { 66° Time

Density: Surf. fms.

Wind: Direction N. N. W Force

Baromet. 30 Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality off Washington Coast

Position 20°53'05" N 70°42'E (true) Tatook Is. Light bears

Chart used: No. Plotting Sheet distant 23 2/13 miles No 9

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
6 28		3 0	0			
6 4		3 2	100			
6 6		3 4	200			
6 1		3 6	300			
6 2		3 8	400			
6 4		3 10	500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 1125 Date, Aug 1, 1903
Hydrog. }
Sdg. Mch. 2 Reel Shot/Lead lbs.
Turns Cor'n Depth fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom 0 1 No bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 55° Time 7:27 } Air {
Time

Density: Surf. fms.

Wind: Direction Force

Baromet. 30.30 Amt. of Clouds 7 State of Sea 5

Weather

Direction and Force of Current { Surface
Bottom

Tide

General Locality Off Washington Coast

Position Tatoosh Is. Light bears N 70 1/2° E (true).

Chart used: No. Plotting Sheet distant 227 1/2 miles
No 9 223.5

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer

Recorder

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down.

Up.

M.

M. Down.

Up.

M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Prediger } No. 6076 Date, August 10, 1910
Hydrog. }

Sdg. Mch. Lucas Reel & No. 4 Shot } 30 lbs.
Lead }

Turns ----- Cor'n ----- Depth ----- fms.

Sdg. Cup *Phonograph* (mt) Amt. Rot'm Sample

Character of Bottom fine bottom, at 500

Thermom. $\left\{ \begin{array}{l} \text{Make} \text{ } \text{-----} \\ \text{No.} \text{ } \text{-----} \end{array} \right.$ Cor'n $\left\{ \begin{array}{l} \text{Instr.} \\ \text{Stem.} \end{array} \right.$

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 56° Time 8:15 a } Air { 68° }

Density: Surf. _____ fms. _____

Wind: Direction *Q 4 N* Force *1*

Baromet. 30.30 Amt. of Clouds 2 State of Sea

Weather 11

<i>Direction and Force of Current.</i>	{	<i>Surface</i>
		<i>Bottom</i>

Tide

General Locality Off Washington Coast

position Tatorok Is. Light bears $N 70^{\circ} 42' E$ (true) $70^{\circ} 55' 8.8''$ -----

Chart used: No. Plotting Sheet distant 222 3/13 miles
No. 9 2177

Drift: Direction _____ Distance _____

Depth of Haul 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Apparatus and Rig used

<i>Time towing</i>	<i>h.</i>	<i>m.</i>
--------------------	-----------	-----------

Remarks: _____

Deck Officer Recorder 11 1002

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down.	Up.	M.
8 04 40	8 13 40	
05 20	12 50	
06 10	12 10	
07 05	11 30	
08 05	10 40	
09 10	8 09 50	

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

(10) (87)
 Hydrog. No. 2077 Date, Aug. 13, 1914
 Sdg. Mch. Lucas Reel Lucas Shot/Lead 30 lbs.
 Turns Cor'n Depth fms.
 Sdg. Cup Jennings Amt. Bot'm Sample
 Character of Bottom No bottom at 500
 Thermom. { Make Cor'n { Instr. No. Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { 56° Time 9:00 Air { 64°
 Density: Surf. fms.
 Wind: Direction N. N. W. Force 1
 Baromet. 30.30 Amt. of Clouds 3 State of Sea L
 Weather bc
 Direction and Force of Current { Surface Bottom
 Tide

General Locality Off Washington Coast
 Position Tatooch Is. Light bears N 70° 57' 24" E (True) distant 21.7 1/3 miles
 Chart used: No. Plotting Sheet No. 9 Ed'n distant 21.7 miles
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used

Time towing h. m.
 Remarks:

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
A. M. Down.	Up.	A. M.		M. Down.	Up.	M.
1-02-00	9	02-00	0			
1-00-00		01-10	100			
1-07-10		02-05	200			
1-02-20	9	00-00	300			
1-02-30		01-10	400			
8-17-10	8	00-10	500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

11
 (88-561) 11-11
 Trawl No. 6071 Date, Dec 10, 1915
 Hydrog. Sdg. Mch. Lucas Reel Lucas Shot 20 lbs.
 Turns Cor'n Depth 125 fms.
 Sdg. Cup Lugebe Amt. Bot'm Sample
 Character of Bottom br. M., f. g.
 Thermom. { Make Cor'n { Instr.
 { No. { Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { 56° Time 10:00a } Air { 66°
 { Time }
 Density: Surf. fms.
 Wind: Direction N.W. Force
 Baromet. 30.32 Amt. of Clouds 5 State of Sea 7
 Weather bc

Direction and Force of Current { Surface
 { Bottom
 Tide

General Locality Off Washington Coast
 Position 70°58'18" N 70°12'E (true) distant 21 1/2 miles
 Chart used: No. Plotting Sheet No 9 Ed'n 7028
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used

Time towing h. m.
 Remarks:

Deck Officer Mr. [Signature] Recorder [Signature]
 11-1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M. Down.	Up.	M.			M. Down.	Up.	M.
9 10 50 10	12 20			0			
41 35	11 00			100			
42 30	10 10			200			
43 20	09 30			300			
44 20	08 45			400			
45 25	08 00			500			
46 30	07 15			600			
47 35	06 30			700			
48 40	05 45			800			
49 50	04 55			900			
50 00	04 10			1000			
51 05	03 25			1100			
52 10	02 40			1200			
53 15	01 55			1300			
54 20	01 10			1400			
55 25	00 25			1500			
9 58 10	00 10			1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

Dredge } No. 6078 Date, Aug 18, 1915
Hydrog. }
Sdg. Mch. Lucas Reel Lucas Shot 30 lbs.
Lead }
Turns _____ Cor'n _____ Depth _____ fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____ at 500
Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
Bottom Reading _____ Cor'd Temp. _____
Temp. Surf. { 56° Time 11:00 a } Air { 66°
 { _____ Time _____ } { _____
Density: Surf. _____ fms. _____
Wind: Direction N. W. Force 1
Baromet. 30.30 Amt. of Clouds 4 State of Sea 2
Weather bc

Direction and Force of Current { Surface _____
 { Bottom _____
Tide _____

General Locality Off Washington Coast
Position Tatoosh Is. Light bears N 70 1/2° E (true) 20 1/2 miles
Chart used: No. Plotting Sheet No 9 Ed'n 2025
Drift: Direction _____ Distance _____
Depth of Haul _____
Apparatus and Rig used _____

Time towing h. m.

Remarks:

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
10 5 25 0	10 17 30		0			
51 00	58 30		100			
51 50	57 45		200			
52 45	57 00		300			
53 45	56 20		400			
10 54 55	10 55 20		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

12.) 77
 Direction } No. 6000 Date, Aug 12, 1915
 Hydrog. }
 Sdg. Mch. Reel 100 Shot 30 lbs.
 Turns Cor'n Depth fms.
 Sdg. Cup Amt. Bot'm Sample
 Character of Bottom no bottom at 500
 Thermom. { Make Cor'n { Instr.
 { No. { Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { 56° Time 12 Mch. } Air { 66
 { Time }
 Density: Surf. fms.
 Wind: Direction N.W. Force 1
 Baromet. 30.29 Amt. of Clouds 5 State of Sea 2
 Weather
 Direction and Force of Current { Surface
 { Bottom
 Tide

General Locality Off Washington Coast
 Position 44 71° 01' 11" 70 1/2° E (true)
 Chart used: No. Plotting Sheet distant 20 1/2 mile
 no 9 Ed'n 1925
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used
 Time towing h. m.
 Remarks:

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
11 44 10	11 53 55		0			
44 45	52 40		100			
45 35	52 00		200			
46 40	51 20		300			
48 00	50 30		400			
11 49 15	11 49 45		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

14 91
Trawl } No. 6081 Date, Aug 17, 1911
Hydrog. }
Sdg. Mch. Reel Shot Lead 30 lbs.
Turns Cor'n Depth 2-02 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom No Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.
Temp. Surf. { 56° Time 12.46 Air { 68
Time

Density: Surf. fms.

Wind: Direction Force

Baromet. 30.20 Amt. of Clouds 8 State of Sea 27

Weather

Direction and Force of Current { Surface
Bottom

Tide

General Locality off Washington Coast

Position Tatoosh Is. Light bears N 71° 03' 10" E (true) distant 19.6 1/3 miles

Chart used: No. Plotting Sheet No 9 Ed'n 1922

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	P. M.		M. Down.	Up.	M.
1230 10	1250		0			
3545	1230		100			
3145	1250		200			
2150	1250		300			
4015	1235		400			
4915	1240		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

757) 72
~~Hydrog.~~ No. 6082 Date, Oct 2, 1915
Sdg. Mch. Lucas Reel Shot Lead 30 lbs.
Turns Cor'n Depth 650 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom Not at

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.
Temp. Surf. { 56 Time 1.30 } Air {

Density: Surf. fms.
Wind: Direction NW Force 1
Baromet. 30.28 Amt. of Clouds 5 State of Sea 1
Weather bc

Direction and Force of Current { Surface Bottom
Tide

General Locality off Washington Coast
Position Tatoosh Is light bears $71^{\circ}04'37''$ distant $19\frac{1}{4}$ miles
Chart used: No. Plotting Sheet Ed'n 1877
Drift: Direction Distance
Depth of Haul
Apparatus and Rig used

Time towing h. m.
Remarks:

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
1 25 00	34 20		0			
25 40	33 30		100			
26 50	33 00		200			
29 00	32 30		300			
29 25	31 50		400			
30 20	1 30 55		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Director Hydrog. } No. 5222 Date, Aug 13, 1917
Sdg. Mch. 11270 Reel Shot 55 lbs.

Turns Cor'n Depth 1330 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom ()

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 56 Time 7:15 } Air { 71 Time

Density: Surf. fms.

Wind: Direction NW Force 1-2

Baromet. 30.7 Amt. of Clouds 6 State of Sea 2

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality off Washington Coast

Position Tatoosh Is Light bears N 70 1/2° E (true) 71° 0' 03" distant 18.6 2/3 miles

Chart used: No. Plotting Sheet No 9 Ed'n 182.4

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: 175 fms. down after register had finished

Deck Officer. Glick Recorder. Blake

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
2 13 10	49 30		0			
14 20	48 00		100			
15 30	46 10		200			
16 45	44 35		300			
17 40	42 00		400			
18 10	41 10		500			
19 10	40 30		600			
20 30	39 45		700			
21 50	38 00		800			
22 30	36 10		900			
23 10	34 30		1000			
24 30	32 45		1100			
25 10	31 00		1200			
26 30	29 15		1300			
27 20	27 30	1330	1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

17 94
Dredge Hydrog. No. 6094 Date, , 19
Sdg. Mch. Reel Shot/Lead lbs.
Turns Cor'n Depth 7500 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom V. D. R. S. S.

Thermom. { Make Cor'n { Instr.
No. Stem.
Bottom Reading Cor'd Temp.
Temp. Surf. { Sk Time 3:30 } Air { 71.0
Time

Density: Surf. fms.
Wind: Direction (0) Force 1-2
Baromet. 30.25 Amt. of Clouds 7 State of Sea 2
Weather bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality off Washington Coast

Position 71°07'30" N 70°42'E (true)
Jatoosh Is. Light bears distant - 18 1/2 miles

Chart used: No. Plotting Sheet No 9 Ed'n 1771

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder Blaker

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

M. Down. | Up. | M.

0	10 50	0
10	3 10 2	100
20	2 10 2	200
30	1 10 2	300
40	3 1 10	400
50	2 10 2	500
		600
		700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400
		2500
		2600
		2700
		2800
		2900
		3000
		3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
		4000
		4100
		4200
		4300
		4400
		4500
		4600
		4700
		4800
		4900

11—1023

SOUNDING WIRE.					FMS.	DREDGING CABLE.		
M. Down.	Up.	P.M.				M. Down.	Up.	M.
4	18	00	4	26	30			
	18	35		25	45			
	19	35		25	10			
	20	30		24	35			
	21	35		24	00			
4	22	40	4	23	10			
					0			
					100			
					200			
					300			
					400			
					500			
					600			
					700			
					800			
					900			
					1000			
					1100			
					1200			
					1300			
					1400			
					1500			
					1600			
					1700			
					1800			
					1900			
					2000			
					2100			
					2200			
					2300			
					2400			
					2500			
					2600			
					2700			
					2800			
					2900			
					3000			
					3100			
					3200			
					3300			
					3400			
					3500			
					3600			
					3700			
					3800			
					3900			
					4000			
					4100			
					4200			
					4300			
					4400			
					4500			
					4600			
					4700			
					4800			
					4900			

19

06

Hydrog. } No. 6086 Date, June 13, 1913
 Sdg. Mch. Lucas Reel 5 Shot 50 lbs.
 Turns _____ Cor'n _____ Depth 0 fms.
 Sdg. Cup _____ Amt. Bot'm Sample 500
 Character of Bottom no bottom

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 56° Time 5:15 } Air { 18°
 { _____ Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction W Force 1

Baromet. 30.23 Amt. of Clouds 0 State of Sea _____

Weather bc

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality off Washington Coast

Position Gatorok Is. Light bears $71^{\circ} 5' 23''$ N $70^{\circ} 42' 0''$ E (true)

Chart used: No. Plotting Sheet No. 9 distant 170 1/2 miles

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
P. M. Down.	Up.	P. M.		M. Down.	Up.	M.
5 04 20	5 12 30		0			
04 50	11 45		100			
05 40	11 10		200			
06 35	10 35		300			
07 40	10 00		400			
5 08 55	5 09 10		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 6087 Date, August 13, 1911
Hydrog. }
Sdg. Mch. Lucas Reel Leather Shot Lead 30 lbs.
Turns _____ Cor'n _____ Depth 50 fms.
Sdg. Cup Jennings (Sigsbee) Amt. Bot'm Sample _____
Character of Bottom no bottom

Thermom. { Make _____ Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 56° Time 6:00 } Air { 66°
Time _____

Density: Surf. _____ fms. _____

Wind: Direction WNW Force 2

Baromet. 30.22 Amt. of Clouds 8 State of Sea 2

Weather bc

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality off Washington Coast

Position 71° 11' 50" Jatoosh Is. Light bears N 70 1/2° E (true) distant 16.5 7/13 mile

Chart used: No. Plotting Sheet Ed'n no 9 162.5

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer Mr. Shaler Recorder J. Frutkin

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
5 49 20	5 52 15		0			
50 45	57 35		100			
51 10	57 05		200			
54 15	56 55		300			
53 20	56 00		400			
5 57 35	5 55 10		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

(21)

98

Hydrog. No. 6086 Date, June 18, 1915
 Sdg. Mch. Lucas Reel 5 Shot-head 3.5 lbs.
 Turns Cor'n Depth 1457 fms.
 Sdg. Cup Sigbee Amt. Bot'm Sample
 Character of Bottom fm m, for

Thermom. { Make Cor'n { Instr.
 No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 57° Time 7:10 P } Air { 66°
 Time

Density: Surf. fms.

Wind: Direction West Force 3

Baromet. 30.23 Amt. of Clouds 7 State of Sea C

Weather bc

Direction and Force of Current { Surface
 Bottom

Tide

General Locality Off Washington Coast

Position 71°13'16" N 70°12' E (true)
 Tatorsh Is. Light distant 16.0713 miles

Chart used: No Plotting Sheet No 9 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Cassin Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
6 39 00	7 07 00		0			
39 40	05 40		100			
40 20	05 10		200			
41 10	04 40		300			
42 05	04 05		400			
43 05	03 30		500			
44 10	03 55		600			
45 20	02 20		700			
46 30	01 45		800			
47 45	01 10		900			
48 00	7 00 30		1000			
50 15	59 50		1100			
51 45	59 05		1200			
53 10	58 20		1800			
54 25	57 25		1400			
6 55 20	6 55 40 45		1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

(Hydrog.) No. 6089 Date, Feb 12, 1915
 Sdg. Mch. Cat. 5 Reel 1 Shot/Lead 30 lbs.
 Turns Cor'n Depth 2 fms.
 Sdg. Cup Amt. Bot'm Sample
 Character of Bottom no bottom

Thermom. $\left\{ \begin{array}{l} \text{Make} \\ \text{No.} \end{array} \right.$ Cor'n $\left\{ \begin{array}{l} \text{Instr.} \\ \text{Stem.} \end{array} \right.$

Bottom Reading Cor'd Temp.

Temp. Surf. { $\overline{55}$ Time $\overline{8:00}$ } Air { $\overline{63}$ }

Density: Surf. fms.

Wind: Direction NNE Force 3

Baromet.	30.22	Amt. of Clouds	8	State of Sea	5
----------	-------	----------------	---	--------------	---

Weather *bc*

Direction and Force of Current. $\left\{ \begin{array}{l} \text{Surface} \\ \text{Bottom} \end{array} \right.$

Title

General Locality *off Washington Coast*
71° 14' 31" N
(70° 42' 31" N)

Position Tatoosh Is. Light bears $N 60 \frac{1}{2}^{\circ} E$ (true)

Chart used: No. Plotting Sheet distant 155 1/8 mile
No. 9

Drift: Direction No 9 Distance 1000

Depth of Haul

Apparatus and Rig used

Time towing _____ h. _____ m.

Remarks:

Deck Officer *Mr. Collins*
Mr. J. H. J.

Recorder *[Signature]* 11-1023

SOUNDING WIRE.

 M. DOWN. | UP. | M.

7	50 25	7	57 00
	51 10		58 20
	51 45		57 45
	52 40		57 10
	52 45		57 00
7	53 00	7	55 45

FMS.

DREDGING CABLE.

____ M. DOWN. | UP. | ____ M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

23

(100)

Hydrog. No. 6090 Date, August 13, 1915
 Sdg. Mch. Lucas Reel Lucas Shot Lead 30 lbs.

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup *Pringle* Amt. Bot'm Sample _____

Character of Bottom *fine sand* at _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { *54°* Time *7000'* } Air { *66°*
 { _____ { _____ { _____

Density: Surf. _____ fms. _____

Wind: Direction *W. by N.* Force *2*

Baromet. *30.22* Amt. of Clouds *8* State of Sea *0*

Weather *bc*

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality *off Washington Coast*

Position *Tatoosh Is. Light bears N 70 1/2° E (true) 11 1/2 miles*

Chart used: No. *Plotting Sheet No. 187* distant *150 1/3 miles*

Drift: Direction _____ Distance *14.3*

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks:

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
8 40 50	4 00		0			
41 30	4 10		100			
42 15	4 20		200			
43 30	4 30		300			
44 40	4 40		400			
8 45 50	8 46 20		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<i>P.</i> M. Down.	Up.	M.		M. Down.	Up.	M.
9 28 50	37 25		0			
29 25	36 40		100			
30 00	35 20		200			
31 00	36 30		300			
32 00	35 35		400			
9 33 20	9 33 55		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

267

102

Trawl Hydrog. No. 6092 Date, Dec 18, 1913
Sdg. Mch. Reel Shot Lead 30 lbs.

Turns Cor'n Depth fms.

Sdg. Cup *Coring* Amt. Bot'm Sample

Character of Bottom *at 500*

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 53° Time 10:00 P. Air { 67°

Density: Surf. fms.

Wind: Direction Force

Baromet. 30.20 Amt. of Clouds 6 State of Sea C

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality *Off Washington Coast*

Position *Tatoosh Is. Light bears N 70 1/2° E (true) 71° 19' 02"*

Chart used: No *Plotting Sheet No 9* distant *139 10/13 mile* Ed'n *137.5*

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer *W. G. J.* Recorder *W. G. J.*

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<i>P</i> M. Down.	Up.	<i>P</i> M.		M. Down.	Up.	M.
15 16 30	10 35 30		0			
17 00	24 00		100			
17 35	23 50		200			
18 05	23 10		300			
19 00	22 30		400			
10 21 00	10 21 30		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
① M. Down.	Up.	② M.		M. Down.	Up.	M.
11 05 00	11 27 50		0			
07 50	38 05		100			
08 30	37 25		200			
09 25	36 50		300			
10 22	36 10		400			
11 20	35 35		500			
12 15	35 00		600			
13 10	34 25		700			
14 00	33 50		800			
15 25	33 00		900			
17 55	32 18		1000			
19 25	31 33		1100			
20 00	30 50		1200			
21 30	29 40		1300			
24 15	28 50		1400			
11 25 45	11 27 00	145 50	1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

104
Dredge } No. 11 Date, 1911
Hydrog. }
Sdg. Mch. Reel Shot/Lead lbs.
Turns Cor'n Depth 500 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom 16

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 53 Time 12:30 } Air { 57 }
Time

Density: Surf. fms.

Wind: Direction NW Force 3

Baromet. 30.19 Amt. of Clouds 5 State of Sea 2

Weather bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality Off Washington Coast

Position 71° 21' 15" N 127° 11' 15" W
Tatoosh Is. Light bears N 70 1/2° E (True)

Chart used: No. Plotting Sheet distant 12.9 1/2 miles
No. 9 Ed'n

Drift: Direction Distance 127.1

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

[illegible]

108
Dredge } No. 61 Date, 19
Hydrog. }
Sdg. Mch. Reel Shot/Lead 5 lbs.
Turns Cor'n Depth 1500 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 53 Time 1.16 } Air { 57 }
Time

Density: Surf. fms.

Wind: Direction NW Force 3

Baromet. 30.20 Amt. of Clouds 3 State of Sea

Weather

Direction and Force of Current { Surface
Bottom

Tide

General Locality Off Washington Coast

Position 71°23'22" N 70°42' E (true)
Tatoosh Is. Light bears distant 12 1/2 miles

Chart used: No. Plotting Sheet No. 9 Ed'n 122

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder Blacker
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Trawl } No. 1 Date, July 22, 1915
Hydrog. }
Sdg. Mch. Lucas Reel _____ Shot _____ lbs.
Lead _____
Turns _____ Cor'n _____ Depth 500 fms.
Sdg. Cup Dr Amt. Bot'm Sample 2
Character of Bottom 1 1/2 Bottom

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 53° Time 2.02 } Air { 57°
 { _____ Time _____ } _____

Density: Surf. _____ fms. _____

Wind: Direction NW Force _____

Baromet. 30.20 Amt. of Clouds 3 State of Sea _____

Weather u

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality off Washington Coast

Position Tatoosh Is. Light bears N 70 1/2° E (true)
71° 20' 14.8"

Chart used: No. Plotting Sheet No 9 distant 14 3/4 miles
Ed'n _____

Drift: Direction _____ Distance 117.1

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder W. C. Coker

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M. Down.	Up.	M.			M. Down.	Up.	M.
1 54 30		02 10		0			
55 00		01 25		100			
55 30		00 55		200			
56 00	2	00 20		300			
57 00		59 40		400			
58 10	1	59 00		500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

107
Dredge } No. 2077 Date, Aug 1, 1913
Hydrog. }
Sdg. Mch. Reel Shot Lead 50 lbs.
Turns Cor'n Depth 500 fms.
Sdg. Cup 1/4 Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.
Temp. Surf. { 53 Time 2.47 Air { 56°

Density: Surf. fms.
Wind: Direction NW Force 3
Baromet. 30.20 Amt. of Clouds 2 State of Sea M
Weather

Direction and Force of Current { Surface Bottom
Tide

General Locality off Washington Coast

Position 71° 21' 10" N 70 1/2° E (true)
Chart used: No. Plotting Sheet distant 114 miles
Drift: Direction No 9 Distance 112.1

Depth of Haul
Apparatus and Rig used

Time towing h. m.

Remarks:

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
2 30		50	0			
		10	100			
			200			
4 30		10	300			
5 30		40	400			
6 30	2 30	50	500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

18 108 212 526 m

Dredge } No. 16 Date, Oct 1, 1911
Hydrog. }

Sdg. Mch. Reel Shot / Lead lbs.

Turns Cor'n Depth 1430 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
 { No. { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction Force

Baromet. 30.2 Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface
 { Bottom

Tide

General Locality Off Washington Coast

Position 71° 21' 14" N
Tatoosh Is. Light bears N 70 1/2° E (true) distant 108 1/13 miles

Chart used: No. Plotting Sheet 109 Ed'n 1077

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
26 45		54 00	100			
27 35		53 20	200			
28 35		52 40	300			
29 30		52 00	400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

(6)
 Dredge } No. 6004 Date, June 14, 1915
 Hydrog. }
 Sdg. Mch. Reel Shot Lead lbs.
 Turns Cor'n Depth 500 fms.
 Sdg. Cup Amt. Bot'm Sample
 Character of Bottom no bottom
 Thermom. { Make Cor'n { Instr.
 { No. { Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { 53° Time 4.44 Air { 58°
 { Time {
 Density: Surf. fms.
 Wind: Direction NW Force 2-3
 Baromet. 30.20 Amt. of Clouds 5 State of Sea N
 Weather bc
 Direction and Force of Current { Surface.
 { Bottom.
 Tide

General Locality Off Washington Coast
 Position Tatoosh Is. Light bears $N 70\frac{1}{2}^{\circ} E$ (true) distant 10.39 miles
 Chart used: No. Plotting Sheet No 9 Ed'n 107.2
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used
 Time towing h. m.

Remarks:
 Deck Officer Mr. Cassidy Recorder J. H. Smith
 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
4 32 20	4 42 10		0			
37 5	41 05		100			
34 00	40 30		200			
25 10	39 55		300			
35 -	39 15		400			
4 27 45	4 26 20		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Hydrog. } No. 6100 Date, Aug. 11, 1915
Sdg. Mch. Reel Shot/Lead 50 lbs.

Turns Cor'n Depth 500 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom no bottom
Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.
Temp. Surf. { 53° Time 5:52 Air { 58
Density: Surf. fms.

Wind: Direction NW Force 3
Baromet. 30.20 Amt. of Clouds 4 State of Sea IV
Weather bc

Direction and Force of Current { Surface Bottom
Tide

General Locality Off Washington Coast
Position Tatoosh Is. Light bears N 70 1/2° E (true) distant 9.8 7/12 miles
Chart used: No Plotting Sheet No 9 Ed'n

Drift: Direction Distance
Depth of Haul
Apparatus and Rig used

Time towing h. m.
Remarks:

Deck Officer Mr. Cassin Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
5 22 30	5 30	5	0			
23 10	30 05		100			
23 55	29 35		200			
24 45	29 00		300			
25 45	28 25		400			
5 27 10	5 27 05	6	500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

(8)

111

~~Wester~~ } No. 6101 Date, June 1, 1915
 Hydrog. }
 Sdg. Mch. Tanner Reel 7 Shot 30 lbs.
 Lead }
 Turns _____ Cor'n _____ Depth 0 fms.
500
 Sdg. Cup _____ Amt. Bot'm Sample _____
 Character of Bottom no bottom

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 54° Time 1:15 } Air { 62°
 { _____ Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction NW Force 2-3

Baromet. 30.21 Amt. of Clouds 2 State of Sea 7

Weather bc

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality off Washington Coast

Position Tatoosh Is. Light bears N 70 1/2° E (true) distant 93 5/13 miles

Chart used: No. Plotting Sheet No 9 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer W. C. ... Recorder S. ...

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
<i>S.</i> M. Down.	Up.	<i>S.</i> M.			M. Down.	Up.	M.
6' 14' 25	6	23' 10		0			
15' 10		22' 20		100			
16 00		21' 40		200			
16 15		21 00		300			
17 35		20 15		400			
6 19 00	6	19 20		500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

(9)

112

Hydrog. } No. 6102 Date, Feb. 11, 1915

Sdg. Mch. Lucas Reel L Shot/Lead 30 lbs.

Turns Cor'n Depth 500 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom no bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 54° Time 7:13 Air { 62°

Density: Surf. fms.

Wind: Direction NW Force 3

Baromet. 30.21 Amt. of Clouds 4 State of Sea N

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Washington Coast

Position 71°33'28" Gatoosh Is. Light bears N 70 1/2° E (true) distant 8 3/10 miles

Chart used: No. Plotting Sheet No 9 Ed'n Distance 87.3

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer M. C. Recorder J. H.

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
7 53 30	7	12 00	0			
04 00		11 15	100			
06 45		10 40	200			
08 30		10 05	300			
10 00		09 25	400			
11 15	7	08 35	500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. *6107* Date, _____, 19____
 Hydrog. }
 Sdg. Mch. *Lucas* Reel *L* Shot } *30* lbs.
 Lead }
 Turns _____ Cor'n _____ Depth *0* fms.
 Sdg. Cup _____ Amt. Bot'm Sample *500*
 Character of Bottom *no bottom*
 Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
 Bottom Reading _____ Cor'd Temp. _____
 Temp. Surf. { *56°* Time *9:07* } Air { *63°*
 { _____ Time _____ } { _____
 Density: Surf. _____ fms. _____
 Wind: Direction *West* Force *3*
 Baromet. *30.24* Amt. of Clouds *5* State of Sea *IV*
 Weather *bc*

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality *off Washington Coast*

Position *Tatoosh Is. Light bears $N 70\frac{1}{2}^{\circ} E$ (true) $71^{\circ} 31' 12''$
 distant $77\frac{1}{3}$ miles*

Chart used: No. *Plotting Sheet No 9* Ed'n _____

Drift: Direction _____ Distance *77.3*

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer *Mr. Glick* Recorder *Mr. Smith*
 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
8 57 10	9 06 40		0			
58 15	05 55		100			
59 10	05 15		200			
9 00 10	04 30		300			
01 15	03 40		400			
9 02 20	9 03 00		500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 6105 Date, , 19
Hydrog. }
Sdg. Mch. Reel L Shot Lead 20 lbs.
Turns Cor'n Depth 500 fms.
Sdg. Cup 1 Amt. Bot'm Sample
Character of Bottom no bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 56 Time 9 } Air {
Time

Density: Surf. fms.

Wind: Direction 112 Force

Baromet. 30.24 Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface
Bottom

Tide

General Locality off Washington Coast

Position Tatoosh Is. Light bears $N 70\frac{1}{2}^{\circ} E$ (true) distant $72\frac{10}{13}$ miles
Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder.

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
<i>S</i> M. Down.	Up.	<i>S</i> M.			M. Down.	Up.	M.
0 44 30	0 54 15			0			
1 10	1 30			100			
2 50	2 50			200			
4 45	3 10			300			
5 55	3 20			400			
7 15	4 50			500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

Dredge } No. _____ Date, _____, 19____
 Hydrog. }
 Sdg. Mch. _____ Reel _____ Shot/Lead } 20 lbs.
 Turns _____ Cor'n _____ Depth 0 fms.
 Sdg. Cup _____ Amt. Bot'm Sample 500
 Character of Bottom M. S.
 Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
 Bottom Reading _____ Cor'd Temp. _____
 Temp. Surf. { 56° Time 11:1 } Air {
 { _____ Time _____ }
 Density: Surf. _____ fms. _____
 Wind: Direction SE Force _____
 Baromet. 30.23 Amt. of Clouds _____ State of Sea _____
 Weather bc
 Direction and Force of Current { Surface _____
 { Bottom _____
 Tide _____

General Locality Off Washington Coast
 Position 71°39'14" N 70°12' E (true)
 Chart used: No. Plotting Sheet No 9 distant 67 1/2 miles
 Drift: Direction _____ Distance 5.5
 Depth of Haul _____
 Apparatus and Rig used _____
 Time towing _____ h. _____ m.
 Remarks: _____

Deck Officer. M. S. B. S.

Recorder M. S. B. S.

SOUNDING WIRE.

M. Down. Up. M.

10	32	30	10	45	10
	34	30		42	25
	35	30		41	50
	36	35		41	10
	37	40		40	25
10	38	50	10	39	20

FMS.

DREDGING CABLE.

M. Down. Up. M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

dredge } No. _____ Date, _____, 19____
 Hydrog. }
 Sdg. Mch. _____ Reel _____ Shot/Lead _____ lbs.
 Turns _____ Cor'n _____ Depth _____ fms.
 Sdg. Cup _____ Amt. Bot'm Sample _____
 Character of Bottom _____
 Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
 Bottom Reading _____ Cor'd Temp. _____
 Temp. Surf. { _____ Time _____ { Air { _____
 { _____ Time _____ { _____
 Density: Surf. _____ fms. _____
 Wind: Direction N. W Force 2
 Baromet. 30.23 Amt. of Clouds _____ State of Sea _____
 Weather _____
 Direction and Force of Current { Surface _____
 { Bottom _____
 Tide _____

General Locality Off Washington Coast
 Position Tatoosh Is. Light bears N 70 1/2° E (true)
71° 04' 00" N
129° 04' 00" W
 Chart used: No. Plotting Sheet No. 9 Ed'n _____ distant 62 1/2 miles
 Drift: Direction _____ Distance _____
 Depth of Haul _____
 Apparatus and Rig used _____

Time towing _____ h. _____ m.
 Remarks: _____

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

11-1023

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

~~Hydrog.~~ } No. 619 Date, Oct. 14, 1911

Sdg. Mch. _____ Reel _____ Shot _____ Lead _____ lbs.

Turns ----- Cor'n ----- Depth 490 fms.

Sdg. Cup		Amt. Bot'm
Quantity		Sample
1	100	100
2	100	100
3	100	100
4	100	100
5	100	100
6	100	100
7	100	100
8	100	100
9	100	100
10	100	100
11	100	100
12	100	100
13	100	100
14	100	100
15	100	100
16	100	100
17	100	100
18	100	100
19	100	100
20	100	100
21	100	100
22	100	100
23	100	100
24	100	100
25	100	100
26	100	100
27	100	100
28	100	100
29	100	100
30	100	100
31	100	100
32	100	100
33	100	100
34	100	100
35	100	100
36	100	100
37	100	100
38	100	100
39	100	100
40	100	100
41	100	100
42	100	100
43	100	100
44	100	100
45	100	100
46	100	100
47	100	100
48	100	100
49	100	100
50	100	100
51	100	100
52	100	100
53	100	100
54	100	100
55	100	100
56	100	100
57	100	100
58	100	100
59	100	100
60	100	100
61	100	100
62	100	100
63	100	100
64	100	100
65	100	100
66	100	100
67	100	100
68	100	100
69	100	100
70	100	100
71	100	100
72	100	100
73	100	100
74	100	100
75	100	100
76	100	100
77	100	100
78	100	100
79	100	100
80	100	100
81	100	100
82	100	100
83	100	100
84	100	100
85	100	100
86	100	100
87	100	100
88	100	100
89	100	100
90	100	100
91	100	100
92	100	100
93	100	100
94	100	100
95	100	100
96	100	100
97	100	100
98	100	100
99	100	100
100	100	100

Character of Bottom no sample

Thermom. { *Make*
 { *No.*

Cor'n { *Instr.*
 { *Stem,*

Bottom Reading Cor'd Temp.

Temp. Surf. { 5-6° Time 1:00 P } Air { 54°
Time

Density: Surf. 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 fms. 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200

Wind: Direction *QNE* Force *4*

Baromet. 30.22	Amt. of Clouds 4	State of Sea M.
----------------	------------------	-----------------

Weather *bc*

Direction and Force of Current. $\left\{ \begin{array}{l} \text{Surface} \\ \text{Bottom.} \end{array} \right.$

Tide 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1

General Locality *Off Washington Coast* . . .

Position *Tatooch Is. Light bears $N 70^{\circ} 45' E$ (true)*

Chart used: No. Plotting Sheet Ed'n 1st distant 52 1/2 miles

Drift: Direction N 9 Distance 100

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: Register read - 20

Deck Officer *Lt. L. H. L.* Recorder *L. H. L.* 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
Ø	M. Down.	Up. Ø M.		Ø	M. Down.	Up. Ø M.
1	10.00	00.00	0			
	11.00	18.00	100			
	12.00	16.30	200			
	13.00	17.40	300			
	14.00	17.10	400			
1	16.00	15.30	500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 6110 Date, Aug 14, 1915
 Hydrog. }
 Sdg. Mch. Lucas Reel Lucas Shot/Lead 30 lbs.
 Turns _____ Cor'n _____ Depth 240 fms.
 Sdg. Cup Aming (soft soap) Amt. Bot'm Sample _____
 Character of Bottom (gy. S) gran shale
 Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
 Bottom Reading _____ Cor'd Temp. _____
 Temp. Surf. { 56° Time 2:00 } Air { 62°
 { _____ Time _____ } { _____
 Density: Surf. _____ fms. _____
 Wind: Direction WNW Force 3
 Baromet. 30.32 Amt. of Clouds 4 State of Sea M
 Weather bc

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality off Washington Coast

Position Tatoosh Is. Light bears ^{71°45'} N 70½° E (true) distant 4.7 mile

Chart used: No. Plotting Sheet No 9 Ed'n _____

Drift: Direction _____ Distance 47.7

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer Mr. Shepley Recorder C. E. O'Day

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
P. M. Down.	Up.	P. M.			M. Down.	Up.	M.	
15700	2	01	45	0				
5740		01	15	100				
5830	2	00	40	200				
15900	2	00	20	240 300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
				1400				
				1500				
				1600				
				1700				
				1800				
				1900				
				2000				
				2100				
				2200				
				2300				
				2400				
				2500				
				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

18
121

Bredge } No. 6111 Date, Aug 14, 1916
Hydrog. }

Sdg. Mch. Lucas Reel L Shot Lead 30 lbs.

Turns Cor'n Depth 210 fms.

Sdg. Cup soft ooze Amt. Bot'm Sample

Character of Bottom Gray Sand

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 56° Time 5.02 } Air { 67° Time

Density: Surf. fms.

Wind: Direction NW x S Force 3

Baromet. 30.15 Amt. of Clouds 1 State of Sea M

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality off Washington Coast

Position Pachena Pt. Light bears N 70° E (true) 66° 40' distant 4.0 miles

Chart used: No. Plotting Sheet No. 9 Ed'n 41.7

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

This book checked
F. P. S.

Deck Officer W. Cassidy Recorder B. Baker

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
4 56 30		00 30	0			
57 10	5	00 00	100			
58 30		59 30	200			
58 40	4	59 00	210			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			